

Amendments to the Claims:

1. (Currently Amended) A method of proliferating eukaryotic NSO cells, comprising the step of introducing synthetic low density lipoprotein (sLDL) particles to a an NSO cell culture and allowing NSO cells in the culture to proliferate, wherein the NSO cell culture lacks foetal calf serum (FCS).

2. (Currently Amended) The method according to claim 1 wherein the sLDL particles are peptide free and ~~enable at least a~~ wherein culturing NSO cells in the presence of the peptide-free sLDL particles increases NSO cell proliferation by at least 20% ~~increase in cell number to occur in comparison~~ relative to NSO cells ~~grown~~ cultured in the absence of the sLDL particles and in the presence of foetal calf serum (FCS) or other serum-free lipid supplements.

3. (Currently Amended) The method according to claim 1 wherein the sLDL particles comprise a peptide and ~~enable at least a~~ wherein culturing NSO cells in the presence of the sLDL particles comprising a peptide increases NSO cell proliferation by at least 50% ~~increase in cell number to occur in comparison~~ relative to NSO cells ~~grown~~ cultured in the absence of the sLDL particles comprising said peptide and in the presence of foetal calf serum (FCS) or other serum-free lipid supplements.

4 – 10. (Canceled)

11. (Previously Presented) The method according to claim 1, wherein the sLDL particles comprise cholesterol and/or cholesterol ester, and wherein a total concentration of the cholesterol and cholesterol ester is greater than 0.009 mg/ml of a culture medium.

12. (Previously Presented) The method according to claim 11, wherein the total concentration of the cholesterol is greater than 0.018 mg/ml of the culture medium.

13 – 14. (Canceled)